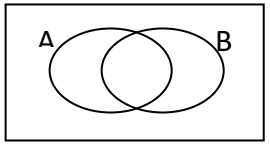
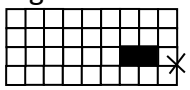
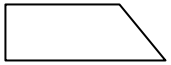
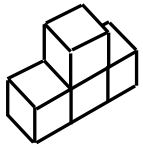
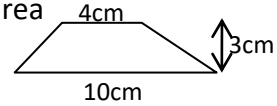
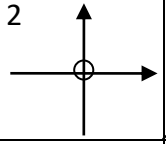
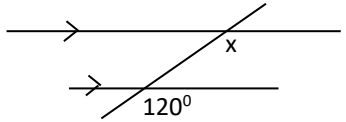
Maths Key Skills **Stage 7: Skill Check 1**

Name: ..... Date: ..... Class/Group: .....

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability	
1. Insert one of these symbols in the box: = < > ≤ ≥	*7:1* **-2 □ 2**	11. Reduce to its lowest form: 24 : 16	*7:15*	21. Indicate the position of the probability of rolling a '2' on a dice. 0 1	*7:27*
2. Which is bigger? 0.3 or 30%	*7:2*	12. Divide £24 in a ratio of 3:1 Give the answer as a ratio.	*7:16*		
3. Give the LCM of 6 and 8.	*7:3*	13. Write 15 as a fraction of 60. (in simplest form)	*7:17*	22. Shade set $A \cap B$ 	*7:28*
4. Insert one of these symbols in the box: = ≠ < > ≤ ≥	*7:4* $2^3 \square \sqrt{64}$	14. Enlarge the rectangle sf 3, centre X. 	*7:19*		
5. Work out & simplify : $\frac{3}{8} \times \frac{4}{5}$	*7:6*	15. Mark on parallel and perpendicular lines. 	*7:20*	23. 60 pupils were asked to name their favourite colour. These are the results.	*7:29*
6. Work out: $3^2 \times (4 + 2)$	*7:7*	16. Sketch the plan view of this shape. 	*7:21*		
7. Expand & simplify: 3(2x – 1) + 2(x + 5)	*7:10*	17. Work out the area of this trapezium. 	*7:22*		
8. Evaluate: 2a - 5 when a = -3	*7:11*	18. Give the number of edges, vertices and faces in the triangular prism.	*7:23* E= V= F=	24. Work out the median score: 10, 13, 4, 20, 3, 11, 16	*7:30*
9. Draw the graph of x = 2 on the grid. 	*7:12*	19. Work out the surface area of this 3cm cube. 	*7:24*	25.Work out the mean shoe size:	*7:30*
10. Solve: 2x – 6 = 8	*7:13*	20. Work out the missing angle 'x'. 	*7:25*		

Shoe size	Frequency
3	6
4	3
5	1

Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)		G (20-25)

Red	18
Black	15
Green	12
Blue	12
Yellow	3

If the data was represented in a pie chart, what size angle would be 'Black'?